

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

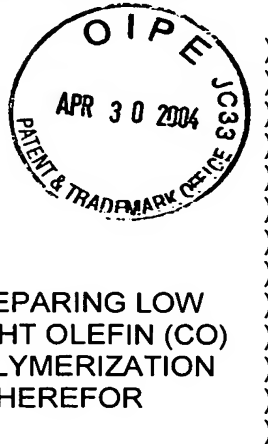
In re Patent Application of

Yasushi Tohi et al.

Application No.: 10/695,831

Filed: October 30, 2003

For: PROCESS FOR PREPARING LOW  
MOLECULAR WEIGHT OLEFIN (CO)  
POLYMER AND POLYMERIZATION  
CATALYST USED THEREFOR



Group Art Unit:

Examiner:

Confirmation No.:

**FIRST INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, applicants hereby submit a Search Report from the corresponding European patent application and copies of the documents cited therein, as well as other documents including several of the documents identified in the background of the application, in accordance with 37 C.F.R. §§ 1.97 and 1.98.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date April 30, 2004

By: Robert G. Mukai  
Robert G. Mukai  
Registration No. 28,531

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Patent  
Attorney Docket No. 018765-145

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Yasushi Tohi et al.

Application No.: 10/695,831

Filing Date: October 30, 2003

Title: PROCESS FOR PREPARING LOW MOLECULAR WEIGHT OLEFIN (CO) POLYMER AND  
POLYMERIZATION CATALYST USED THEREFOR

Group Art Unit: Unassigned

Examiner: Unassigned

Confirmation No.: Unassigned

FIRST  
INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is a FIRST Information Disclosure Statement and accompanying form  
PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the fee due.
- ☐ Charge \_\_\_\_\_ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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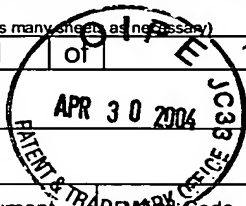
By

Robert G. Mukai

Registration No. 28,531

Date: April 30, 2004

Substitute for form 1449A/PTO & 1449B/PTO		<b>Complete if Known</b>	
<b>FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	10/695,831
		Filing Date	October 30, 2003
		First Named Inventor	Yasushi Tohi et al.
		Examiner Name	Unassigned
Sheet	1 of 1	Attorney Docket Number	018765-145



U.S. PATENT DOCUMENTS				
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	6,469,188		Miller et al.	10-22-2002

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation	
					Yes	No
	59-210905		Japan	11-29-1984	Abstract	
	61-236804		Japan	10-22-1986	Abstract	
	01-203410		Japan	08-16-1989	Abstract	
	06-049129		Japan	02-22-1994	Abstract	
	08-239414		Japan	09-17-1996	Abstract	
	02-173104		Japan	07-04-1990	Abstract	
	04-069394		Japan	03-04-1992	Abstract	

NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	WALTER KAMINSKY ET AL. "Polymerization of Propene and Butene with a Chiral Zirconocene and Methylalumoxane as Cocatalyst", Angew. Chem. Int. Ed. Engl. 1985, pgs. 507 -508, Vol. 24, No. 6, VCH Verlagsgesellschaft mbH, Weinheim , Germany
	JOHN A. EWEN ET AL., "Syndiospecific Propylene Polymerization with Group 4 Metallocenes", J. Am. Chem. Soc., 1988, pgs. 6255 -6256, Vol. 110, American Chemical Society
	MIN HYUNG LEE ET AL. "Ethylene-Bridged Pseudo-C <sub>s</sub> Symmetric Ansa-Zirconocene Complexed: synthesis, Structures and Propylene Polymerization Behavior", Journal of Organometallic Chemistry, 1998, pgs. 37 – 47, Vol. 561, Elsevier Science S.A., Holland
	IL KIM ET AL., "Copolymerization of Ethylene and 1-Decene by Metallocenes: Direct Comparison of Me <sub>2</sub> C(Cp)(Flu)ZrMe <sub>2</sub> with Et(Cp)(Flu)ZrMe <sub>2</sub> ", Polymer Engineering and Science, 2001, pgs. 899 – 907, Vol. 41, No. 6,

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.  
VA 141245.1